

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1298	345/102.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/03 13:56
S2	11083	inverter and (converter or ADC) and controller and clock	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/03 13:59
S3	37	S1 and S2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/03 14:08
S4	12838	scaler	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/03 14:08
S5	1	S3 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/03 14:11
S6	72484	pwm or ("pulse width modulation")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/03 14:47
S7	9186	"horizontal synchronization"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/03 14:50
S8	5709	"horizontal synchronization signal"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/03 14:50

## EAST Search History (Prior Art)

S9	36		S8 and S1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/03 14:51
S10	311		S8 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/03 14:51
S11	12		S10 and S1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/03 14:51
S12	1300		345/102.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 09:38
S13	2		("5790096").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/08 09:39
S14	2		("6417833").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/08 09:43
S15	0		inverter and (backlight near3 on)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 09:44
S16	0		inverter and (backlight near5 on)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 09:44

## EAST Search History (Prior Art)

S17	3540	inverter and backlight	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 09:44
S18	111	inverter and backlight and "horizontal synchronization"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 09:45
S19	7	inverter and backlight and "horizontal synchronization" and (mode near3 change)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 09:52
S20	51	inverter and backlight and "horizontal synchronization" and (on\$1off)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 09:54
S21	10	(("6727681") or ("5745092") or ("20020130830") or ("20030038770") or ("7019728")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/08 09:59
S22	71	"signal converter" and scaler and inverter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 10:13
S23	2	("20010022584").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/08 10:03
S24	1	"signal converter" and scaler and inverter and S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 10:13

## EAST Search History (Prior Art)

S25	4	converter and scaler and inverter and S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 10:16
S26	18	converter and format and inverter and S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 10:40
S27	8	scaler and inverter and S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 10:43
S28	2	"20050174818"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 10:44
S29	8	(("6188181") or ("5828178") or ("6804129") or ("6958919")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/08 10:45
S30	24136	inverter and on\$off	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 10:56
S31	76	S12 and S30	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 11:02
S32	212	345/3.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 11:02

## EAST Search History (Prior Art)

S33	3		S12 and S32	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 13:28
S34	53701		mode near2 change	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 13:59
S35	76463		S34 S30	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 14:00
S36	29		S34 and S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/08 14:00
S37	11	((("4112334") or ("5828178") or ("6188181") or ("6804129") or ("6958919")).PN.		US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/09 13:56
S38	1	"4112334".PN.		USPAT; USOCR	OR	ON	2007/05/09 14:22
S39	1	"6804129".PN.		USPAT; USOCR	OR	ON	2007/05/09 14:53
S40	578	converter and scaler and inverter		USPAT; USOCR	OR	ON	2007/05/09 14:53
S41	45		S40 and Icd	USPAT; USOCR	OR	ON	2007/05/09 15:22
S42	2		("5847697").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/10 09:50
S43	2		("20040212580").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/10 09:50

## EAST Search History (Prior Art)

S44	10	("20040036708"   "5583529"   "6307530"   "6327000"   "6356260"   "6437764"   "6480180"   "6535217"   "6535264"   "6545688").PN. OR ("7098903").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/10 09:52	
S45	694114	(pulse width modulation or pwm) and horizontal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 10:41	
S46	1470		345/211.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 10:39
S47	398		S46 and S45	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 10:39
S48	113		S47 and inverter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 10:40
S49	258307		"on or off" or on\$off	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 10:40
S50	50		S48 and S49	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 10:40
S51	8728	("pulse width modulation" or pwm) and horizontal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 11:19	
S52	55		S46 and S51	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 10:42

## EAST Search History (Prior Art)

S53	9		S48 and S52	US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 10:42
S54	1388	("pulse width modulation" or pwm) and backlight		US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 11:20
S55	22		S46 and S54	US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 11:20
S56	48	345/3.1.ccls. and (mode near6 select\$5)		US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 09:02
S57	79		345/533.ccls.	US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 09:04
S58	153		345/1.2.ccls.	US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 09:27
S59	21225	(PC or computer) and (display near3 mode) and select		US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 09:28
S60	10872	(PC or computer) and (display near3 mode) and select and change and key		US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 09:29

## EAST Search History (Prior Art)

S61	6466	(PC or computer) and (display near1 mode) and select and change and key	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 09:29
S62	1591	(PC or computer) and (display near1 mode) and select\$5 and (change near1 mode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 09:30
S63	335	(PC or computer) and (display near1 mode) and select\$5 and (change near1 mode) and "345"/\$.cols.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 09:31
S64	44	(PC or computer) and (display near1 mode) and select\$5 and (change near1 mode) and "345"/\$.cols. and backlight	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 09:42
S65	9	(PC or computer) and (display near1 mode) and select\$5 and (change near1 mode) and "345"/102.cols. and backlight	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 09:46
S66	0	(PC or computer) and (display near1 mode) and select\$5 and (change near1 mode) and "345"/205.cols. and backlight	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 09:46
S67	0	(PC or computer) and (display near1 mode) and select\$5 and (change near1 mode) and "345"/205.cols.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 09:47
S68	6	(PC or computer) and (display near1 mode) and select\$5 and (change near1 mode) and "345"/3.1.cols.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 10:05

## EAST Search History (Prior Art)

S69	25	("20030025717"   "5029112"   "5548346"   "5652845"   "5678173"   "5850265"   "5966185"   "5982449"   "6049359"   "6049821"   "6147713"   "6160491"   "6172719"   "6188439"   "6208326"   "6275267"   "6321383"   "6345388"   "6377251"   "6388713"   "6453071"   "6477184"   "6477185"   "6567117"   "6661414").PN. OR ("6924843").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2007/05/11 10:04
S70	432	348/553.ccls.	US-PGPUB; USPAT; USOOR	OR	ON	2007/05/11 10:04
S71	1	(PC or computer) and (display near1 mode) and select\$5 and (change near1 mode) and "348"/553.ccls.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 10:06
S72	3	(PC or computer) and (display near1 mode) and select\$5 and (change near1 mode) and "348"/554.ccls.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 10:08
S73	229	(PC or computer) and (display near1 mode) and select\$5 and (change near1 mode) and "348"/\$.ccls.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 10:10
S74	2	(PC or computer) and (display near1 mode) and select\$5 and (change near1 mode) and "348"/14.11.ccls.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 10:15
S75	0	(PC or computer) and (display near1 mode) and select\$5 and (change near1 mode) and "348"/e05.003.ccls.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 10:16
S76	0	"348"/e05.003.ccls.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 10:16

## EAST Search History (Prior Art)

S77	0	"348"/5.003.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 10:19
S78	146	"348"/14.04.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 10:19
S79	392	348/554.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 10:24
S80	11	348/554.ccls. and pc and "s-video"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 10:24
S81	0	("2004/0239821").URPN.	USPAT	OR	ON	2007/05/11 10:28
S82	0	("2004/0212730").URPN.	USPAT	OR	ON	2007/05/11 10:32
S83	4	((("6768774") or ("6570579")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/11 10:32
S84	7	("5784113"   "6211918").PN. OR (("6577348").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/11 13:08
S85	340	"horizontal synchronization" and backlight	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/11 13:10
S86	17	"horizontal synchronization" and backlight and "345"/\$.ccls. and "348"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/11 13:17
S87	16	"6445362"	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/11 13:18
S88	2	("6445362").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/11 13:18

## EAST Search History (Prior Art)

S99	0	(345/102.ccls. and(secondnear3signal)andbacklight).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/11 15:21
S90	166	345/102.ccls. and (second near3 signal) and backlight	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 16:41
S91	2	("20040189679").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/11 16:42
S92	2	("20050057519").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/11 16:43
S93	2	("20040263465").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/11 16:43
S94	10	((("20050174818") or ("6188181") or ("5828178") or ("6804129") or ("6958919")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/14 14:37
S95	2	("6766222").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/14 18:01
S96	2	("20040263438").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/14 18:01
S97	2	("2003/0214478").URPN.	USPAT	OR	ON	2007/05/15 09:56

## EAST Search History (Prior Art)

S98	10	((("6667585") or ("6674250") or ("5619402") or ("5896120")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/15 10:09
S99	2	( "7057668").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/15 10:09
S100	1500	345/102.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/06 10:15
S101	691571	(liquid near1 crystal) or LCD	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/06 10:16
S102	1912	synchroni\$4 near3 inverter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/06 10:16
S103	47759	backlight	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/06 10:16
S104	10	S100 and S101 and S102	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/06 10:16
S105	7	("20020130628"   "20040056830"   "20040232853"   "20050062436"   "20050285549"   "20060208998"   "6960891").PN. OR ("7221108").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/06 10:55
S106	2	( "6714245").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/06 10:55

## EAST Search History (Prior Art)

S10 7	8	("20010043166"   "5086513"   "5315695"   "5511201"   "6111559"   "6400360"   "6411306").PN. OR ("6714245").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2007/12/06 10:56
S10 8	21	("5247286"   "5313225"   "5406305").PN. OR ("6111559").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2007/12/06 11:11
S10 9	13	("5078476"   "5812149"   "5954820"   "6111559"   "6119023"   "6157143").PN. OR ("6404145").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2007/12/06 12:01
S11 0	0	dac and scaler and backlight and S100	US-PGPUB; USPAT; USOOR	OR	ON	2007/12/06 12:01
S11 1	12	scaler and backlight and S100	US-PGPUB; USPAT; USOOR	OR	ON	2007/12/06 12:01
S11 2	86	PWM and inverter and backlight and S100	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/06 13:29
S11 3	2	( "6111559" ).PN.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/06 13:29
S11 4	80	345/553.ccls.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/07 10:58
S11 5	167	345/1.2.ccls.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/07 10:58
S11 6	1500	345/102.ccls.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/07 10:58
S11 7	1571	345/211.ccls.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/07 10:58

## EAST Search History (Prior Art)

S11 8	8	((EUN-SUP) near2 (KIM)).INV.	US-PGPUB; USPAT	OR	ON	2007/12/07 10:58
S11 9	9	((EUN-SUP) near2 (KIM)).INV.	US-PGPUB; USPAT	OR	ON	2008/08/01 14:17
S12 0	1518	345/102.ccls.	US-PGPUB; USPAT	OR	ON	2008/08/01 14:46
S12 1	28	back\$1light same inverter same (horizontal near2 synchroniz\$5)	US-PGPUB; USPAT	OR	ON	2008/08/01 14:49
S12 2	8	"6404145"	US-PGPUB; USPAT	OR	ON	2008/08/01 14:49
S12 3	8	"6404145"	US-PGPUB; USPAT	OR	ON	2008/08/01 15:06
S12 4	2	"7098903"	US-PGPUB; USPAT	OR	ON	2008/08/01 15:08
S12 5	2	"20020075253"	US-PGPUB; USPAT	OR	ON	2008/08/01 15:08
S12 6	11	("20040036708"   "5583529"   "6307530"   "6327000"   "6356260"   "6437764"   "6480180"   "6535217"   "6535264"   "6545688").PN. OR ("7098903").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2008/08/01 15:08
S12 7	6	("20050174818"   "4112334"   "5828178"   "6188181"   "6804129"   "6958919").PN. OR ("7091947").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2008/08/01 16:16
S12 8	5	"4112334"	US-PGPUB; USPAT; USOOR	OR	ON	2008/08/01 16:16
S12 9	8	"6404145"	US-PGPUB; USPAT	OR	ON	2008/08/02 13:25
S13 0	1	10/811892	US-PGPUB; USPAT	OR	ON	2008/08/04 09:15
S13 1	2	"20020075253"	US-PGPUB; USPAT	OR	ON	2008/08/04 09:55
S13 2	8	"6404145"	US-PGPUB; USPAT	OR	ON	2008/08/04 11:21
S13 3	2	"7098903"	US-PGPUB; USPAT	OR	ON	2008/08/11 10:03
S13 4	8	"6404145"	US-PGPUB; USPAT	OR	ON	2008/08/11 10:03
S13 5	10	("20020000960"   "5412396"   "5757348"   "5828362"   "6111559"   "6119023"   "6404145"   "6476792").PN. OR ("6965367").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2008/08/11 17:18
S13 6	25	("4964699"   "5122791"   "5185599"   "5262759"   "5345250"   "5359344"   "5379051"   "5602567"   "5606343"   "5736981"   "5910806"   "6057860").PN. OR ("6348910").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2008/08/11 17:18

## EAST Search History (Prior Art)

S13 7	1741		345/102.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/12 10:00
S13 8	30		"6384816"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/14 10:02
S13 9	12984		convol\$4 and filter	US-PGPUB; USPAT	OR	ON	2008/08/14 10:18
S14 0	184		convol\$4 and filter and subframe	US-PGPUB; USPAT	OR	ON	2008/08/14 10:18
S14 1	243		convol\$4 and filter and sub\$frame	US-PGPUB; USPAT	OR	ON	2008/08/14 10:18
S14 2	1		"20030020809"	US-PGPUB; USPAT	OR	ON	2008/08/14 10:22
S14 3	3		"7109981"	US-PGPUB; USPAT	OR	ON	2008/08/14 10:22
S14 4	7837		interpol\$4 near3 filter	US-PGPUB; USPAT	OR	ON	2008/08/14 10:39
S14 5	218		interpol\$4 near3 filter and (subframe)	US-PGPUB; USPAT	OR	ON	2008/08/14 10:39
S14 6	301		interpol\$4 near3 filter and (sub\$1frame)	US-PGPUB; USPAT	OR	ON	2008/08/14 10:39
S14 7	148		interpol\$4 near3 filter same (sub\$1frame)	US-PGPUB; USPAT	OR	ON	2008/08/14 10:41
S14 8	18		interpol\$4 near3 filter same (sub\$1frame) same convol\$4	US-PGPUB; USPAT	OR	ON	2008/08/14 10:44
S14 9	0		"10821135"	US-PGPUB; USPAT	OR	ON	2008/08/14 10:57
S15 0	13		"10/821135"	US-PGPUB; USPAT	OR	ON	2008/08/14 10:57
S15 1	29		"6384816"	US-PGPUB; USPAT	OR	ON	2008/08/14 11:01
S15 2	1751		upsampling and filter	US-PGPUB; USPAT	OR	ON	2008/08/14 11:39
S15 3	51		upsampling and (subframe)	US-PGPUB; USPAT	OR	ON	2008/08/14 11:39
S15 4	93		generating and displaying and spatial and offset and subframe	US-PGPUB; USPAT	OR	ON	2008/08/14 12:05
S15 5	453		(interpol\$4 or up\$1sample\$4) same sub\$1frame	US-PGPUB; USPAT	OR	ON	2008/08/14 12:25

## EAST Search History (Prior Art)

S15 6	38	( "2001000071"   "20020075372"   "20020156364"   "20030020809"   "20030053692"   "20030058228"   "20030090597"   "20040207592"   "4573070"   "4600274"   "4662746"   "4956619"   "5061049"   "5083857"   "5386253"   "5424780"   "5490009"   "5689283"   "5719594"   "5842762"   "5897191"   "5978518"   "5987136"   "6025951"   "6040812"   "6104375"   "6141039"   "6184969"   "6219017"   "6239783"   "6243055"   "6313886"   "6340994"   "6384816"   "6393145"   "6529637"   "6657603"   "RE38726").PN. OR ("7289114").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2008/08/14 12:28
S15 7	9	"6404145"	US-PGPUB; USPAT	OR	ON	2009/01/29 13:50
S15 8	1	10/811892	US-PGPUB; USPAT	OR	ON	2009/01/29 13:56
S15 9	64	( "5574572"   "5781241"   "5861864"   "5874937"   "5914753"   "5917549"   "5943097"   "5982443"   "6069664"   "6091426"   "6108047"   "6118486"   "6144412").PN. OR ("6327000").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/01/29 14:31
S16 0	87	( "4907862"   "4958915"   "4975692"   "4978952"   "5093652"   "5105127"   "5122791"   "5142388"   "5184117"   "5239293"   "5420481"   "5440208"   "5440324"   "5539707").PN. OR ("5844540").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/01/29 14:31

## EAST Search History (Prior Art)

S16 1	111	(("20020005829"   "20020109821"   "20020122019"   "20020149546"   "20020163526"   "20020167528"   "20020186229"   "20030085906"   "20070001994"   "2412098"   "3699244"   "4390893"   "4751535"   "4800375"   "4843381"   "4843573"   "4892391"   "4952972"   "4985853"   "4994901"   "5042921"   "5087610"   "5166755"   "5184114"   "5188452"   "5191450"   "5214418"   "5233183"   "5233385"   "5243414"   "5365283"   "5416890"   "5447811"   "5455600"   "5528317"   "5563621"   "5588050"   "5592188"   "5614925"   "5625424"   "5631734"   "5642176"   "5650832"   "5650942"   "5657036"   "5668572"   "5724062"   "5736754"   "5740334"   "5751385"   "5812303"   "5835099"   "5841494"   "5844540"   "5844699"   "5863125"   "5870530"   "5872898"   "5892891"   "5909227"   "5982347"   "5982541"   "5999153"   "5999278"   "6018237"   "6058207"   "6069601"   "6072464"   "6097367"   "6144420"   "6147720"   "6191826"   "6198512"   "6220710"   "6231190"   "6236390"   "6236406"   "6239783"   "6246396"   "6256073"   "6259430"   "6262710"   "6262744"   "6280034"   "6304237"   "6310591"   "6324006"   "6366291"   "6380961"   "6388648"   "6407766"   "6456301"   "6459425"   "6467910"   "6477270"   "6538742"   "6549213"   "6567134"   "6570584"   "6580482"   "6594387"   "6633302"   "6674489"   "6750992"   "6865292"   "6870523"   "6912017"   "6972736"   "7113152"   "7129955").PN. OR ("7471822").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/01/29 14:38
S16 2	9	(EUN-SUP) near2 (KIM).INV.	US-PGPUB; USPAT	OR	ON	2009/01/29 14:38
S16 3	6	2001/0022584	US-PGPUB; USPAT; USOOR	OR	ON	2009/01/29 14:41
S16 4	6	("20010022584"   "20010055009"   "2002003525"   "20020021273"   "5574336"   "6429603").PN. OR ("7348959").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/01/29 14:41

## EAST Search History (Prior Art)

S16 5	25	( "20010022584"   "20020003522"   "20020097916"   "20030001815"   "20030210247"   "20040174369"   "20040233307"   "5488434"   "5532719"   "5745770"   "5760760"   "5854617" "5875345"   "6111559"   "6278436"   "6346937"   "6388388"   "6466196"   "6552749"   "6553153"   "6611249"   "6633687"   "6647501"   "6731290"   "6897843").PN. OR ("7348957").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/01/29 14:42
S16 6	1700	345/102.ccls.	US-PGPUB; USPAT; USOOR	OR	ON	2009/01/29 14:43
S16 7	145	345/1.2.ccls.	US-PGPUB; USPAT; USOOR	OR	ON	2009/01/29 14:44
S16 8	1669	345/211.ccls.	US-PGPUB; USPAT; USOOR	OR	ON	2009/01/29 14:44
S16 9	494	348/553.ccls.	US-PGPUB; USPAT; USOOR	OR	ON	2009/01/29 14:44
S17 0	0	"10819302"	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/02 08:18
S17 1	9	"6404145"	US-PGPUB; USPAT	OR	ON	2009/05/19 13:29
S17 2	1	10/811892	US-PGPUB; USPAT	OR	ON	2009/05/19 14:36
S17 3	1	"20030038754"	US-PGPUB; USPAT	OR	ON	2009/05/19 14:58
S17 4	7	(( "20030090441" ) or ( "20040108974" ) or ( "6512501" )).PN.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/20 12:41
S17 5	0	(10/811892).CCLS.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/08/21 12:59
S17 6	1	10/811892	US-PGPUB; USPAT	OR	ON	2009/08/21 12:59
S17 7	9	"6404145"	US-PGPUB; USPAT	OR	ON	2009/08/21 13:01

## EAST Search History (Prior Art)

S17 8	2		10/849549	US-PGPUB; USPAT	OR	ON	2009/08/21 13:45
S17 9	6	("20010022584"   "20010055009"   "20020003525"   "20020021273"   "5574336"   "6429603").PN. OR ("7348959").URPN.		US-PGPUB; USPAT; USOCR	OR	ON	2009/08/21 13:45
S18 0	3	inverter same scaler same back\$1light and (horizontal near3 synchronization)		US-PGPUB; USPAT; USOCR	OR	ON	2009/08/21 13:51
S18 1	1		10/811892	US-PGPUB; USPAT	OR	ON	2009/09/08 16:32
S18 2	9		"6404145"	US-PGPUB; USPAT	OR	ON	2009/09/08 16:36
S18 3	2161		345/102.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/09 08:07
S18 4	9	((EUN-SUP) near2 (KIM)).INV.		US-PGPUB; USPAT	OR	ON	2009/09/09 08:07
S18 5	6	("20010022584"   "20010055009"   "20020003525"   "20020021273"   "5574336"   "6429603").PN. OR ("7348959").URPN.		US-PGPUB; USPAT; USOCR	OR	ON	2009/09/09 08:09
S18 6	295	back\$1light same inverter same off		US-PGPUB; USPAT; USOCR	OR	ON	2009/09/09 08:58
S18 7	20	back\$1light same inverter same off same horizontal		US-PGPUB; USPAT; USOCR	OR	ON	2009/09/09 08:58
S18 8	2		"7098903"	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/09 09:03
S18 9	1		10/811892	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/09 09:10
S19 0	3	backlight same inverter near10 background		US-PGPUB; USPAT; USOCR	OR	ON	2009/09/09 09:17
S19 1	2		"6657838"	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/09 09:18
S19 2	26	("4964699"   "5122791"   "5185599"   "5262759"   "5345250"   "5359344"   "5379051"   "5602567"   "5606343"   "5736981"   "5910806"   "6057860").PN. OR ("6348910").URPN.		US-PGPUB; USPAT; USOCR	OR	ON	2009/09/09 12:53

## EAST Search History (Prior Art)

S19 3	14	("4411496"   "5774197"   "6005646"   "6069620"   "6476792"   "6671009").PN. OR ("7019728").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/09/09 12:53
S19 4	6	("20050174818"   "4112334"   "5828178"   "6188181"   "6804129"   "6958919").PN. OR ("7091947").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/09/09 12:56
S19 5	94	("4907862"   "4958915"   "4975692"   "4978952"   "5093652"   "5105127"   "5122791"   "5142388"   "5184117"   "5239293"   "5420481"   "5440208"   "5440324"   "5539707").PN. OR ("5844540").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/09/09 12:56
S19 6	10	("20050117190"   "20050219394"   "20050248520"   "20060055834"   "5844540"   "6628248"   "6636190"   "7138974"   "7172295"   "7385565").PN. OR ("7570240").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/09/09 12:57

EAST Search History (Prior Art)

## EAST Search History (Prior Art)

S19 8	134	horizontal near10 signal near10 transien\$4	US-PGPUB; USPAT; USOOR	OR	ON	2009/09/09 13:13
S19 9	1	horizontal near10 signal near10 transien\$4 and back\$1light	US-PGPUB; USPAT; USOOR	OR	ON	2009/09/09 13:13
S20 0	9	((EUN-SUP) near2 (KIM)).INV.	US-PGPUB; USPAT	OR	ON	2010/03/08 15:54
S20 1	2356	345/102.ccls.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/08 15:54
S20 4	67	inverter same (horizontal near10 synchronization) same (detect\$4)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/08 15:56
S20 5	22	("4060975"   "5111190"   "5189401"   "5404153"   "5521614").PN. OR ("5781185").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2010/03/08 15:57
S20 6	11	("5406308"   "5731798"   "5757365"   "5781185"   "5859635"   "5940061"   "5966119"   "6069619").PN. OR ("6525720").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2010/03/08 15:58
S20 7	18	("5389952"   "5396635"   "5428790"   "5430493"   "5555032"   "5586333"   "5670972"   "5949400").PN. OR ("6069619").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2010/03/08 15:58
S20 8	9	("5949400"   "6034665"   "6069619"   "6069660"   "6211629"   "6339412").PN. OR ("6541927").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2010/03/08 15:59
S20 9	10	"6404145"	US-PGPUB; USPAT; USOOR	OR	ON	2010/03/08 16:09
S21 0	8	("20050007137"   "3894284"   "5912514"   "6384608"   "6404145"   "6700361"   "6943683"   "7058484").PN. OR ("7589519").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2010/03/08 16:11
S21 1	29	("5065357"   "5315695"   "5493685"   "5839812"   "5970419"   "6111559"   "6219021"   "6268844"   "6404145").PN. OR ("6597339").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2010/03/08 16:20
S21 2	15	("5078476"   "5812149"   "5954820"   "6111559"   "6119023"   "6157143").PN. OR ("6404145").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2010/03/08 16:24

## EAST Search History (Prior Art)

S21 3	10	("5272327"   "5786801"   "5996082"   "6252355"   "6404145").PN. OR ("6961044").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2010/03/08 16:26
S21 4	65	("4760389"   "4788588"   "4952117"   "4997263"   "5105186"   "5157525"   "5164849"   "5270818"   "5315695"   "5337073"   "5384577"   "5406305"   "5485172"   "5488434"   "5617112"   "5670985").PN. OR ("5786801").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2010/03/08 16:28
S21 5	1	10/811892	US-PGPUB; USPAT; USOOR	OR	ON	2010/03/08 16:39
S21 6	10	"6404145"	US-PGPUB; USPAT; USOOR	OR	ON	2010/03/08 16:42
S21 7	0	"10811892"	US-PGPUB; USPAT; USOOR	OR	ON	2010/03/08 16:56
S21 8	1	"10/811892"	US-PGPUB; USPAT; USOOR	OR	ON	2010/03/08 16:56
S21 9	2141	345/102.ccls.	US-PGPUB; USPAT; USOOR	OR	ON	2010/03/09 10:40
S22 0	65	345/102.ccls. and mode near3 change	US-PGPUB; USPAT; USOOR	OR	ON	2010/03/09 10:40
S22 1	8	("4818979"   "4827255"   "5479188"   "5539432"   "5636041"   "5734362").PN. OR ("5914700").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2010/03/09 10:43
S22 2	18	horizontal near3 synchroniz\$4 same back\$light same off	US-PGPUB; USPAT; USOOR	OR	ON	2010/03/09 10:44
S22 3	1	scramble same partial same display	US-PGPUB; USPAT; USOOR	OR	ON	2010/03/09 10:49
S22 4	1605	(scramble dis\$1able enable) same partial same display	US-PGPUB; USPAT; USOOR	OR	ON	2010/03/09 10:51
S22 5	22	(scramble dis\$1able enable) same partial same display same pay	US-PGPUB; USPAT; USOOR	OR	ON	2010/03/09 10:51
S22 6	1	(scramble) same (partial part) same display same pay	US-PGPUB; USPAT; USOOR	OR	ON	2010/03/09 10:57
S22 7	7	("20050231457" "20060007102" "20060109234" "20060139298" "6636190" "7138974" "7262754").PN.	US-PGPUB; USPAT; USOOR	OR	ON	2010/03/09 11:14

## EAST Search History (Prior Art)

S22 8	1449	back\$light same off same mode	US-PGPUB; USPAT; USOOR	OR	ON	2010/03/09 11:20
S22 9	133	back\$light same off same mode and 345/102.ccls.	US-PGPUB; USPAT; USOOR	OR	ON	2010/03/09 11:20
S23 0	45	("5225822"   "5315695"   "5396443"   "5412396"   "5428366"   "5440324"   "5454112"   "5479187"   "5598565").PN. OR ("5796382").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2010/03/09 11:22
S23 1	17	("3747322"   "4293927"   "4747041"   "4768162"   "4782355"   "4855892"   "4887165"   "5008846"   "5065357"   "5305233").PN. OR ("5454112").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2010/03/09 11:27
S23 2	205	horizontal same back\$light same off	US-PGPUB; USPAT; USOOR	OR	ON	2010/03/09 11:28
S23 3	30	("3975661"   "4669053"   "4769753"   "4958915"   "5078476").PN. OR ("5184117").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2010/03/09 11:30
S23 4	40	("4758799"   "4792857"   "4848876"   "4985638"   "4985662"   "5006933").PN. OR ("5078476").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2010/03/09 12:01

## EAST Search History (Interference)

< This search history is empty >